Series 385L

Standard Threaded Well for ⅜" Diameter Elements

Application:
Standard length, ⅜" stem, bimetal thermometers. #14-gage thermocouple elements. Armored liquid-in-glass test thermometers. Other temperature-sensing elements having 0.377" maximum diameter.

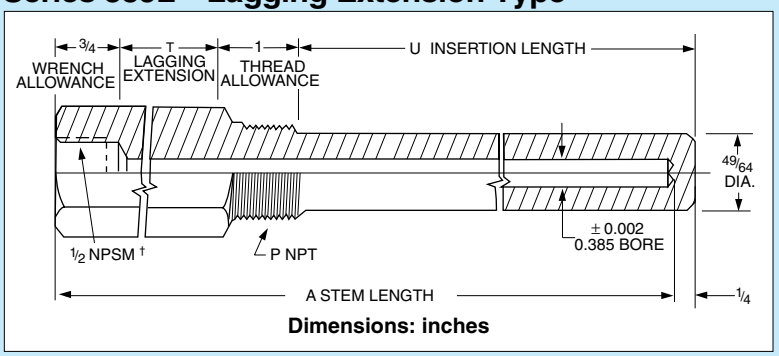
Connection Size:
¾ NPT and 1 NPT are standard. Other thread sizes are available upon request.

Materials:
Brass (ASTM B-16); Carbon Steel (C-1018); Stainless Steel A.I.S.I. 304 & A.I.S.I. 316; Monel. Wells are also available in special materials; prices on request.

Cap and Chain Options:
For Brass cap, add suffix "**-CC-Brass**" to the end of the model number for an additional cost.
For 304SS cap, add suffix "**-CC**" to the end of the model number for an additional cost.

Shown close to actual size.

Series 385L—Lagging Extension Type



Dimensions: inches

Metric Models Available! See omega.com

† NPSM internal pipe thread will accept both NPT and NPS male threads.

To Order *Visit omega.com/series_385l for Pricing and Details*

External Thread P	Model Number	Lagging Extension T	Stem Length A	Insert Length U
¾ NPT	**3/4-385L-U21/2-(*)**	2	6	2½
	3/4-385L-U41/2-(*)	3	9	4½
	3/4-385L-U71/2-(*)	3	12	7½
	3/4-385L-U101/2-(*)	3	15	10½
	3/4-385L-U131/2-(*)	3	18	13½
	3/4-385L-U191/2-(*)	3	24	19½
1 NPT	**1-385L-U21/2-(*)**	2	6	2½
	1-385L-U41/2-(*)	3	9	4½
	1-385L-U71/2-(*)	3	12	7½
	1-385L-U101/2-(*)	3	15	10½
	1-385L-U131/2-(*)	3	18	13½
	1-385L-U191/2-(*)	3	24	9½

***** *Specify material type "**304SS**" for 304 stainless steel, "**316SS**" for 316 stainless steel, "**CS**" for carbon steel or "**BRASS**" for brass. PFA coating available, see omega.com.*

***Ordering Example: 3/4-385L-U71/2-304SS**, 304 stainless steel thermowell with ¾ NPT external thread, 0.385" internal diameter, 3" Lagging Extension, 7½" insertion length, and a 12" stem length.*

For Assistance in Choosing Head and Well Assemblies, See guide on omega.com. These wells are compatible with OMEGA® NB1, NB2; PR-12, PR-14, and NPT-style probes, as well as DialTemp™ Thermometers.

Maximum Fluid Velocity—feet per second

See Introduction to Thermowells, Section on Velocity, see omega.com

Well Type	Material	Insertion Length – "U" 2½	4½	7½	10½	13½	16½	19½	22½
¾" - 385S and ¾" - 385L	Brass	290 (145)	150 (80)	54.1 (48)	27.6	16.7	11.1	8.0	6.0
	Carbon Steel	326 (260)	192 (144)	69.5	35.4	20.5	14.3	10.3	7.7
	A.I.S.I. 304 & 316	349 (360)	199	71.9	36.6	21.2	14.8	10.7	8.0
	Monel	316 (320)	189 (178)	68.1	34.8	20.8	14.0	10.0	7.5

Where single values appear in the velocity tables, these may be considered safe for water, steam, air or gas. In the shorter insertion lengths, consideration is given to the velocity pressure effect of water flowing at higher velocities. The values in parentheses, therefore, represent safe values for water flow, while the unbracketed values may be used for steam, air, gas and similar density fluids.

See omega.com for Pressure-Temperature Ratings.